



arithmetic average value was considered as the average particle diameter. In the fine particles of the organic polymer (silica/polyamide), it was observed that silica, which was found to be sphere-shaped and about 10 nm reticulately (i.e., three-dimensionally), formed a network and was finely dispersed in polyamide. In the fine particles of the organic polymer (aluminum oxide/polyamide), it was observed that aluminum oxide, which was found to have a tabular form about 10 nm stratiformly (i.e., two-dimensionally), formed a network and was finely dispersed in fine particles of the polyamide. On the other hand, in the fine particles of the organic polymer (zirconium oxide/polyamide), each of the particles of zirconium oxide was about 150 nm and was independently dispersed.